

Fact Sheet



For Final Minor Modification Permitting Action Under 45CSR30 and Title V of the Clean Air Act

This Fact Sheet serves to address the changes specific to this Minor Modification, and shall be considered a supplement to the Fact Sheet corresponding with the Title V operating permit issued on May 7, 2013.

Permit Number: **R30-09900081-2013**
Application Received: **February 22, 2016**
Plant Identification Number: **03-54-09900081**
Permittee: **Appalachian Power Company**
Facility Name: **Ceredo Generating Station**
Mailing Address: **1 Riverside Plaza, Columbus, OH 43215-2373**

Permit Action Number: *MM01* Revised: *January 3, 2017*

Physical Location:	Ceredo, Wayne County, West Virginia
UTM Coordinates:	365.97 km Easting • 4247.45 km Northing • Zone 17
Directions:	Take Rte. 52 exit of I-64 and travel south for a short distance. Turn left onto Airport Road until you reach the Huntington Testing Building. Turn left to cross the railroad tracks and then turn immediately right onto Walkers Branch Road. Travel 0.8 miles and then turn right at the 3-way stop sign. Travel approximately 1.0 miles and the site is on the left.

Facility Description

The facility is a 510 megawatt (MW nominal rating) peaking power plant. The facility consists of six identical natural gas-fired turbines (Emission Unit ID# 1E - 6E), and a single natural gas-fired fuel gas heater (Emission Unit ID# 7E). The operation of the gas turbines is simple-cycle. Each turbine is a General Electric Model MS 7001EA/PG7121(EA) with a nominal output of 85 MW and a maximum heat input of approximately 1,215 MMBtu/hr HHV. The normal operation of the turbines is between 80% and 100% full load. The turbines are equipped with dry low-NO_x (DLN) combustors (9ppm of NO_x) and CO oxidation catalysts. The turbines combust only natural gas. A single fuel gas heater is generally operated concurrently with the gas turbines. The heater is natural gas-fired, with a heat input capacity of approximately 14.2 MMBtu/hr.

This minor modification incorporates changes authorized by R13-2382D, which eliminates the CO oxidation catalyst minimum performance requirement for each of the six gas turbines while maintaining the emission limits applicable to the facility.

Emissions Summary

There are no emissions changes associated with the proposed change.

Title V Program Applicability Basis

With the proposed changes associated with this modification, this facility maintains the potential to emit 240 tons per year of CO and 245 tons per year of NO_x. Due to this facility's potential to emit over 100 tons per year of criteria pollutant, Appalachian Power Company's Ceredo Generating Station is required to have an operating permit pursuant to Title V of the Federal Clean Air Act as amended and 45CSR30.

Legal and Factual Basis for Permit Conditions

The State and Federally-enforceable conditions of the Title V Operating Permits are based upon the requirements of the State of West Virginia Operating Permit Rule 45CSR30 for the purposes of Title V of the Federal Clean Air Act and the underlying applicable requirements in other state and federal rules.

The modification to this facility has been found to be subject to the following applicable rules:

Federal and State:	45CSR13	Construction Permits
	45CSR30	Operating permit requirement

State Only:	None
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Each State and Federally-enforceable condition of the Title V Operating Permit references the specific relevant requirements of 45CSR30 or the applicable requirement upon which it is based. Any condition of the Title V permit that is enforceable by the State but is not Federally-enforceable is identified in the Title V permit as such.

The Secretary's authority to require standards under 40 C.F.R. Part 60 (NSPS), 40 C.F.R. Part 61 (NESHAPs), and 40 C.F.R. Part 63 (NESHAPs MACT) is provided in West Virginia Code §§ 22-5-1 *et seq.*, 45CSR16, 45CSR34 and 45CSR30.

Active Permits/Consent Orders

Permit or Consent Order Number	Date of Issuance	Permit Determinations or Amendments That Affect the Permit (<i>if any</i>)
R13-2382D	April 14, 2016	

Conditions from this facility's Rule 13 permit(s) governing construction-related specifications and timing requirements will not be included in the Title V Operating Permit but will remain independently enforceable under the applicable Rule 13 permit(s). All other conditions from this facility's Rule 13 permit(s) governing the source's operation and compliance have been incorporated into this Title V permit in accordance with the "General Requirement Comparison Table," which may be downloaded from DAQ's website.

Determinations and Justifications

This minor modification incorporates the changes authorized by NSR Permit R13-2382D. The following changes were made to the Title V Permit:

Condition 4.1.6. no longer requires 50% destruction efficiency at the CO oxidation catalysts, instead requiring operation consistent with good air pollution control practices.

Condition 4.3.1. was changed to remove the requirement to show compliance with the CO oxidation catalyst performance and minimum destruction efficiency limit. In addition, the citation was changed to include R13-2382, B.14. since it refers to NO_x emissions as well as CO emissions.

Non-Applicability Determinations

The following requirements have been determined not to be applicable to the subject facility due to the following:

None.

Request for Variances or Alternatives

None.

Insignificant Activities

Insignificant emission unit(s) and activities are identified in the Title V application.

Comment Period

Beginning Date: N/A

Ending Date: N/A

Point of Contact

All written comments should be addressed to the following individual and office:

Bobbie Scroggie
West Virginia Department of Environmental Protection
Division of Air Quality
601 57th Street SE
Charleston, WV 25304
Phone: 304/926-0499 ext. 1225 • Fax: 304/926-0478
Bobbie.Scroggie@wv.gov

Procedure for Requesting Public Hearing

During the public comment period, any interested person may submit written comments on the draft permit and may request a public hearing, if no public hearing has already been scheduled. A request for public hearing shall be in writing and shall state the nature of the issues proposed to be raised in the hearing. The Secretary shall grant such a request for a hearing if he/she concludes that a public hearing is appropriate. Any public hearing shall be held in the general area in which the facility is located.

Response to Comments

Not applicable.